

WORKOVER PROCEDURE

DATE 3/24/87

WELL NO. & TYPE OF JOB: Empire Abo Unit #C-42 ARCO WI: 34.1407%

JOB TITLE: Plug Back and Reperforate

DRILLED & COMPLETED: 7/60 LAST WO: 9/77

FIELD: Empire Abo COUNTY: Eddy County, NM PREPARED BY: M.B. Smith

TD: 6375' PBD: 6339' DATUM: RKB DIST RKB TO GL: NA

TUBINGHEAD: MAKE NA SIZE NA PRESSURE RATING NA

CASING INFORMATION: SIZE WEIGHT GRADE SET @ SX CMT TOC

SURFACE: 8-5/8" 28 J-55 737' 375 Assume
180 Units HYS 400 & Surface

PRODUCTION: 5-1/2" 15.5 J-55 6375' 150sx Surface

PRESENT PERFORATIONS Empire Abo 6224-6234 (2 JSPF)

TUBING DATA: One joint of 2-3/8" tubing in wellhead

PACKER & MISC.: POH w/production equipment and left one joint 2-3/8"
tubing in wellhead 9/77. Set CIBP at 6104' and loaded hole w/trt'd
fresh water.

PROCEDURE

1. Test anchors. MIRU PU. Check well for pressure and bleed off. Kill well w/produced water as necessary. ND wellhead and NU BOP.
 2. Pressure test 5-1/2" casing to 500 psi. Isolate any holes and establish pump-in rates and pressures.
 3. TIH w/4-3/4" bit and 4, 3-1/2" DC's on 2-7/8" WS. Drill out CIBP at 6104' and push to PBD 6339'. TOH and WL set a CIBP at 6215'. Will have to run a correlation (strip and correlate to Schlumberger LL/GR/N dated 7-24-60. Swab test Abo perfs at 6224' to 6234' JTC
 4. Perforate the Empire Abo f/6197' to 6207' w/2 JSPF (22 holes).
 5. RIH w/treating packer and SN on 2-7/8" WS to 6207' and spot 100 gal 15% HCL. Set packer at +6100' and pressure tst annulus to 500 psi.
 6. Acidize Abo perfs w/1500 gal 70/30 15% HCL acid and xylene (DAD treatment) at 1-3 BPM. Flush to bottom perf w/produced water. Max WHP 1000 psi.
 7. SWI for 30 minutes and swab test.
 8. Kill well as necessary w/produced water and POH LD WS and packer.
 9. TIH w/MA, PN and SN (TAC if desired by production department) on new 2-3/8" tubing to +6180'. RIH w/rods and pump and TOTPS.
- Handwritten notes:*
CIBP 6215'
f/6197' to 6207'
MBS
KCK